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FROM: Joint Battle Damage Assessment (JBDA) Joint Test & Evaluation (JT&E)

TO: See Distribution List

SUBJECT: 2001 BATTLE DAMAGE ASSESSMENT SYMPOSIUM MINUTES

REF: Message traffic, Joint Battle Damage Assessment Joint Test and Evaluation BDA Symposium, 26-28 June 2001, Suffolk, Virginia, 181410Z MAY 01.

1. The reference announced the BDA Symposium, conducted 27-28 June 2001 at the OSD Joint Test & Evaluation (JT&E) facility in Suffolk, Virginia.
2. EXECUTIVE SUMMARY: The Joint Staff/ J2T and the Office of the Secretary of Defense JT&E on JBDA co-hosted the inaugural BDA Symposium on 27-28 June 2001. The JBDA Test Director, gave the opening remarks. The keynote speaker was the Vice Director for Intelligence, J2, the Joint Staff. The BDA Symposium was conducted to provide a forum for attendees to communicate issues, concepts, and initiatives confronting them as BDA professionals and to communicate current and future initiatives and solutions being fielded by major commands and components. The Symposium briefing slides are located on the SIPRNET at the JBDA web page ([www.jbda.jte.osd.smil.mil](http://www.jbda.jte.osd.smil.mil)). Significant issues confronting BDA professionals across Service and command boundaries were discussed by attendees. These topics included training, manning, reports, mobile target BDA, intelligence fusion, interoperability, and BDA decision points. A synopsis of these discussions is contained below. The JBDA Deputy Director provided the closing remarks.
3. BDA SYMPOSIUM HIGHLIGHTS:
  - A. WELCOMING REMARKS: The JBDA Test Director welcomed the attendees and charged them to participate fully in communicating and addressing the goals of the symposium.
  - B. KEYNOTE SPEAKER: the Vice Director for Intelligence, J2, the Joint Staff addressed the symposium highlighting current key issues to BDA. The Vice Director identified the importance of precision engagement to future operations, with detailed intelligence and "effects-based" operations as the means toward achieving successful military operations. Additional items of note were:
    - 1) Pace of operations: The speed of operations has altered the intelligence execution cycle to a number of overlapping/concurrent activities rather than a set sequence. The Intelligence Community needs find ways to overcome bottlenecks and accelerate the timeliness of useable information to decision-makers.
    - 2) Battlespace awareness: Databases are currently the orientation for how commanders see the battlefield. This must shift to a knowledge-based orientation in the drive to making the Common Operational Picture (COP) a reality and vital to commanders.
    - 3) Security: We must face the vulnerabilities and challenges of operating with C4I systems in coalition warfare and future operations which includes the storage, content and dissemination of intelligence products.
    - 4) Agile Organizations: The agility of friendly forces is an absolute must. Intelligence capabilities and intelligence products should be thought of as a low density—high demand asset whose capabilities will be exceeded. Federations and collaborative organizations will become even more critical to overcome this shortfall.

- 5) Asymmetric Threats: These continue to be a growing concern. Proliferation of weapons of mass destruction, information warfare and terrorism challenge us and must continue to be addressed.
  - 6) Future Critical Initiatives: These include a transition from attrition-based to effects-based warfare, a focus on information velocity vice exclusivity or stovepipes, increasing uses of federations or collaborations, leveraging commercial open source collection and focusing on efficiency as well as effectiveness.
- C. Joint Staff BDA BRIEF: The JCS J2T briefed the current organization and operations of the Joint Staff Targeting Shop as it relates to BDA.
- D. JBDA JT&E BRIEF: The JBDA Deputy Test Director briefed:
- 1.) The objectives of the Symposium including the identification and discussion of current concepts, issues and initiatives as well as the facilitation of information exchange across geographic/command boundaries. Additionally, the identification of potential future enhancements was noted as an objective.
  - 2.) Symposium topics that included training, manning, BDA reporting, phase III BDA, mobile target BDA, BDA sources, systems and decision points.
  - 3.) The purpose of the Joint Battle Damage Assessment Joint Test & Evaluation which is the identification/formulation of process improvements that improve BDA to facilitate decision making for the Joint Force Commander.
- E. Joint Warfighters(JWF): The JWF Data Manger, briefed the collection and analysis methodology for their test. As an example, she referred to JWF test data for Operation Blue Flag and Internal Look-01, covering the Quick Look analysis, data reduction, trial reconstruction and data validation.
- F. CENTCOM: The CENTCOM Battle Damage Assessment Chief briefed the concept of operations for ground BDA within CENTCOM and the operational relationships between BDA, Order of Battle, and Combat Assessment. He also commented on a number of systems and elements that contribute to BDA and the importance of their seamless coordination for effective BDA.
- G. PACOM: The JICPAC Chief of Target Operations Division briefed the PACOM concept of operations for federated BDA support. He noted the challenges and solutions for effective BDA were federating supporting agencies or partners, dissemination of products, training, and connectivity.
- H. TRANSCOM: A TRANSCOM Imagery Analyst briefed TRANSCOM's capabilities for federated BDA support, specifically with respect to ports, airfields, and transportation lines. He also related TRANSCOM's BDA support to Operation Noble Anvil, Exercises Intrepid Flow and Union Flash.
- I. NRO: The NRO Action Officer, Deputy Director for Military Support, briefed current initiatives within NRO relating to BDA. Of note were Conventional Explosion Radio Frequency (CERF), Shadow Tracker, Cobra Brass, Validation of Integrated Parts (VIP), Broadcast Request Imagery Technology Experiment (BRITE), and the Bomb Impact Assessment Reach-back Involving Space (BRISC) project.
- J. BDA ACTD: The BDA ACTD Contract Program Manager, briefed the development of automated tools to assist in Functional Damage Assessment and their implementation in the

JTT. Additionally, he commented on the challenges of timeliness, accuracy, utilization of collection assets and hierarchical approach to targeting and BDA.

- K. Joint Force Intelligence Command: A JFIC action officer briefed on the organization, capability and operations of the JFCOM precision engagement team.
- L. SOUTHCOM: The Chief of the Expeditionary Targeting Division briefed their concept of support to the warfighter through developing, creating and tailoring intelligence products for operational units. Specific operational scenarios discussed included Humanitarian Assistance/Disaster Relief, Counterinsurgency, Noncombatant Evacuation Operations, Counterdrug, Counterproliferation, and support to Special Operations Forces.
- M. STRATCOM: The R-95 Team Chief briefed the STRATCOM concept of federated BDA operations. Additionally, he commented on the current challenges faced by BDA professionals. He specifically noted Reserve manning, the need for the ability to track individuals with BDA training and experience, the need for increased report standardization between the Federated Partners and supported commands, and the challenges of BDA training in the Joint arena.
- N. US Forces Korea: The Chief of Targets briefed the organization and operations of USFK BDA. She spoke about the upcoming Exercise Ulchi Focus Lens and the challenges of providing timely intelligence products to the commander and his senior staff. She commented on the challenges of operations in a combined warfare environment with a high rate of personnel turnover.
- O. Joint Targeting Toolbox (JTT): A Targeting Specialist, AF/XOIRB-T, briefed the JTT status. JTT uses the Modernized Integrated Database (MIDB) as its information base and will leverage existing image archives by using standard intelligence sources (5D, IPL, and ITS). Mr. Etienne covered the current release schedule for variants 2.0 and 2.1.
- P. Naval Air Strike Warfare Center (NASWC): A NASWC Intelligence Operations Specialist briefed BDA operations and included a series of recommendation for each of the issues or challenges he surfaced.
- Q. Combined Analysis Control Center (CACC): The Officer-In-Charge, GCC-CACC, briefed CACC BDA operations and UFL.
- R. Defense Threat Reduction Agency (DTRA): A representative briefed current projects related to BDA. Briefing covered new uses of technology to assist in prediction and assessment.
- S. Sidebar on maneuver force BDA: Owners, operators, and system managers of the ASAS and ADOCS systems as well as BDA ACTD and JBDA personnel gathered for a working lunch on the second day of the symposium. The discussion centered on using common systems in different commands to solve many of the same, common BDA requirements. In this case it was BDA of an opposing maneuver force. This discussion was valuable to the JBDA JT&E as it shed light on how users solve complex problems. It was also valuable to participants as it showed how others using like systems can work through problems to come up with a useable solutions (value added information) for the commander and his senior battle staff. Finally, it was valuable for system managers to view exactly how operators actually use their systems in a real world environment.

4. Based on the conversations, discussions and issues covered this symposium it was judged a success. It met the objectives of discussing current concepts and issues, facilitated an cross-command exchange of information and identified possible future enhancements. It is anticipated that the BDA Symposium will be an annual event occurring in the third quarter of each fiscal year. The JBDA JT&E will assist warfighters by keeping all parties abreast of both the challenges and initiatives within the community and encouraging

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cooperation and collaboration across command and agency boundaries. JBDA will use this interaction to maintain a current and comprehensive understanding of the issues and challenges facing warfighters. The working relationships and dialog are important to the development of JBDA plans and legacy products. Ultimately, this understanding will aid in the identification of the most pressing requirements for enhancements to be produced by JBDA.

*//signed//*  
DIRECTOR  
Joint Battle Damage Assessment JT&E

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